

chemical properties of the crop plant. King *et al.* provide a thorough and critical analysis of 8 systems based on the augmentation of predators and parasites. They demonstrate that despite technical feasibility, the economics of augmentative releases are rarely addressed and often prove unacceptable relative to alternative systems based on pesticides.

Overall the book provides a useful coverage of current research directions but also emphasises the need for future funding, research and most importantly implementation of biological control as a component of IPM systems. Although dealing exclusively with US systems, the approaches and literature reviews should be of value to many workers in this field and to entomologists with a general interest in pest dynamics and control.

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### AN ACCUMULATIVE BIBLIOGRAPHY OF AUSTRALIAN ENTOMOLOGY

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**ATTIA, F. I., HAMILTON, J. T. and FRANZMANN, B. A.**

1979. Carbamate resistance in a field strain of *Myzus persicae* (Sulzer) (Hemiptera: Aphididae). *Gen. appl. Ent.* 11: 24-26, 1 table.

**ATTIA, F. I., SHIPP, E. and SHANAHAN, G. J.**

1979. Selection response of a resistant strain of *Plodia interpunctella* (Hubner) (Lepidoptera: Pyralidae) to malathion. *Gen. appl. Ent.* 11: 46-48, 2 tables.

1979. An autosterilization technique for the Australian sheep blowfly *Lucilia cuprina* (Wied.) (Diptera: Calliphoridae). *Gen. appl. Ent.* 11: 27-30, 1 text-fig.

**BISHOP, A. L. and HOLTKAMP, R. H.**

1980. *Heliothis* species on three varieties of lucerne infested with blue-green aphid *Acyrthosiphon kondoi* Shinji. *Gen. appl. Ent.* 12: 10-12, 2 tables.

**CHADWICK, C. E. and NIKITIN, M. I.**

1979. Insects and other invertebrates intercepted in quarantine in New South Wales. Part 3. New records for the years 1966-1969. *Gen. appl. Ent.* 11: 51-56.

Psocoptera, Hemiptera, Coleoptera, Hymenoptera

**CLIFT, A. D.**

1979. Activity of chlordimeform hydrochloride and amitraz mixtures with *Bacillus thuringiensis* against *Heliothis armigera* (Hubner) (Lepidoptera: Noctuidae). *Gen. appl. Ent.* 11: 21-23, 1 table.

**CLIFT, A. D., LOUDON, B. J. and TOFFOLON, R. B.**

1980. Occurrence of paedogenetic cecidomyiids (Diptera: Cecidomyiidae) in casing layer materials used in the Australian mushroom industry. *Gen. appl. Ent.* 12: 49-50, 1 table.

**FLETCHER, M. J.**

1979. Notes on Australian Flatidae (Homoptera: Fulgoroidea) including a new synonymy. *Gen. appl. Ent.* 11: 67-71, text-figs 1-12.

**GOODWIN, S.**

1982. Chemical control of bunch mite, *Brevipalpus lewisi* McGregor (Tenuipalpidae), on grapes in New South Wales. *Gen. appl. Ent.* 14: 41-44, 4 tables.

**GOODWIN, S., GOODYER, G. and RYALL, K.**

1982. Chemical control of *Desiantha diversipes* (Pascoe) (Curculionidae: Erirhininae) on strawberry runners. *Gen. appl. Ent.* 14: 52-56, 4 tables.

**GOODYER, G. J.**

1982. Laboratory assessment of insecticides against the common armyworm, *Mythimna convecta* (Walker), and southern army worm, *Persectania ewingii* (Westwood) (Lepidoptera: Noctuidae). *Gen. appl. Ent.* 14: 33-34, 1 table.

**HOUSTON, K. J.**

1983. Inheritance of colour pattern in *Phrynocaria gratiosa* (Mulsant) (Coleoptera: Coccinellidae). *Gen. appl. Ent.* 15: 19-30, 2 tables, text-figs 1-20.

**WELLS, A.**

1983. New species in the Australian Hydroptilidae (Trichoptera), with observations on relationships and distributions. *Aust. J. Zool.* 31(4): 629-649, text-figs 1-46.
1984. *Hydroptila* Dalman and *Orthotrichia* Eaton (Trichoptera: Hydroptilidae) from the islands of New Guinea and New Britain, with observations on relationships. *Aust. J. Zool.* 32(2): 261-282, text-figs 1-50.

**WILLIAMS, Geoff**

1981. Records of the carrion beetle *Diamesus osculans* Vigor (Silphidae: Coleoptera) from New South Wales. *Aust. ent. Mag.* 8(4): 47.

1982. A note on Buprestidae (Coleoptera) observed at lights. *Aust. ent. Mag.* 8(6): 81.

**WILLIAMS, G. A. and WILLIAMS, T.**

1982. A survey of the Aphodiinae, Hybosoridae and Scarabaeinae (Coleoptera: Scarabaeidae) from small wet forests of coastal New South Wales. Part 1: Nowra to Newcastle. *Aust. ent. Mag.* 9(4): 42-48, 2 tables, 1 text-fig.

1983. A survey of the Aphodiinae, Hybosoridae and Scarabaeinae (Coleoptera: Scarabaeidae) from small wet forests of coastal New South Wales, Part 2: Barrington Tops to the Combyne Plateau. *Victorian Nat.* 100(1): 25-30, table 1, text-figs 1 & 2.

1983. A list of the Buprestidae (Coleoptera) of the Sydney basin, New South Wales, with adult food plant records and biological notes on food plant associations. *Aust. ent. Mag.* 9(6): 81-93, 3 tables, 1 text-fig.

1983. A survey of the Aphodiinae, Hybosoridae and Scarabaeinae (Coleoptera: Scarabaeidae) from small wet forests of coastal New South Wales, Part 3: Buladelah to Taree. *Victorian Nat.* 100(3): 98-105, text-figs 1-3.

1983. A survey of the Aphodiinae, Hybosoridae and Scarabaeinae (Coleoptera: Scarabaeidae) from small wet forests of coastal New South Wales, Part 4: Lansdowne State Forest. *Victorian Nat.* 100(4): 146-154, text-figs 1 & 2, pls 1-3, tables 1-3.

1984. A survey of the Aphodiinae, Hybosoridae and Scarabaeinae (Coleoptera: Scarabaeidae) from small wet forests of coastal New South Wales, Part 5: littoral rainforests from Myall Lakes to Crowdy Bay National Park. *Victorian Nat.* 101(3): 127-135, 2 tables, text-figs 1-3.

**WILSON, C. G. and SWINCER, D. E.**

1984. Hyperparasitism of *Theroaphis trifolii* f. *maculata* (Homoptera: Aphididae) in South Australia. *J. Aust. ent. Soc.* 23(1): 47-50, 2 tables, 1 text-fig.

**WILSON, L. T., BOOTH, D. R. and MORTON, R.**

1983. The behavioural activity and vertical distribution of the cotton harlequin bug *Tectocoris diophthalmus* (Thunberg) (Heteroptera: Scutelleridae) on cotton plants in a glasshouse. *J. Aust. ent. Soc.* 22(4): 311-317, 4 tables, text-figs 1-3.

**WOOD, G. A.**

- 1981 First record of *Apaturina erminea* (Cramer) (Lepidoptera: Nymphalidae) from Australia. *Aust. ent. Mag.* 8(1): 16.

1984. The early stages of *Philiris fulgens kurandae* Waterhouse and *Philiris diana papuana* Wind and Clench (Lepidoptera: Lycaenidae). *Aust. ent. Mag.* 10(6): 81-83, text-figs 1-4.

1984. The life history of *Chaetocneme porphyropis* (Meyrick and Lower) (Lepidoptera: Hesperiidae: Pyrginae). *Aust. ent. Mag.* 11(1): 11-12, text-figs 1 & 2.

**WOODROFF, S. and MAJER, J. D.**

1981. Colonisation of ants on the exposed banks of the Canning Dam Reservoir. *Aust. ent. Mag.* 8(4): 41-46, 3 tables.

**ZALUCKI, Myron P.**

1981. Temporal and spatial variation of parasitism in *Danaus plexippus* (L.) (Lepidoptera: Nymphalidae: Danainae). *Aust. ent. Mag.* 8(1): 3-8, 3 tables, 1 text-fig.